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(54) Title: REVERSE TRANSCRIPTION ACTIVITY FROM BACILLUS STEAROTHERMOPHILUS DNA POLYMERASE IN THE PRESENCE OF MAGNESIUM

(57) Abstract: The present invention is directed to a thermostable DNA polymerase from *Bacillus stearothermophilus* for use in reverse transcription and/or reverse transcriptase-polymerase chain reaction (RT-PCR), where said DNA polymerase shows magnesium ion dependent reverse transcriptase activity and in the substantial absence of manganese ions.

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